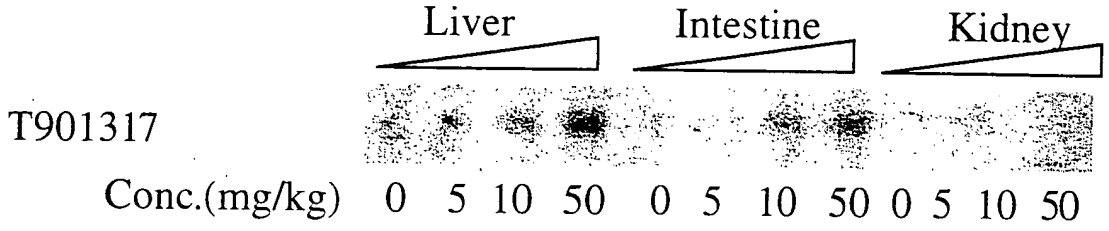
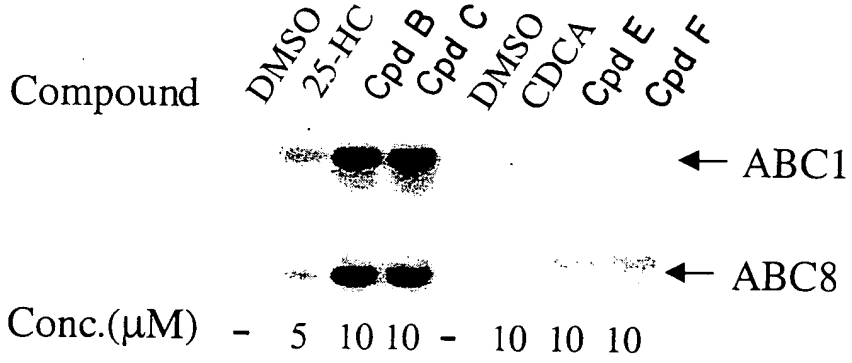


FIG. 1.



LXR agonist: Cpd B, C

FXR agonist: Cpd E, F

FIG. 2.

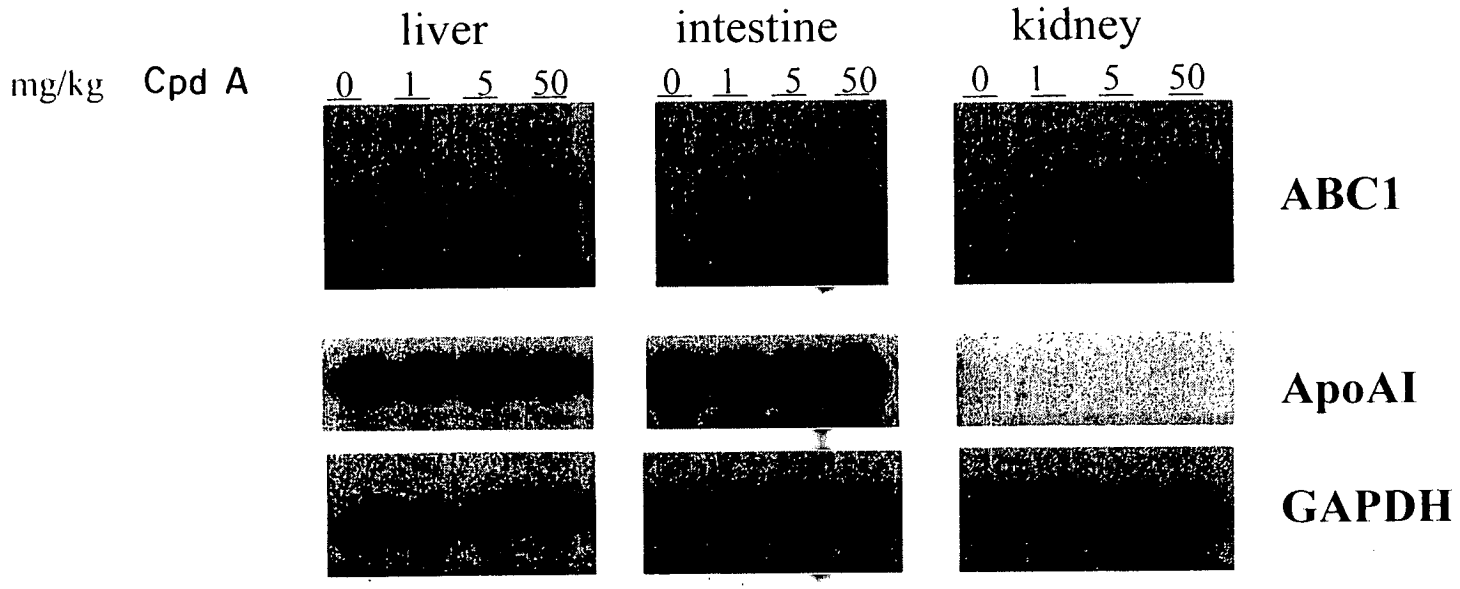

liver
intestine
kidney
mg/kg Cpd A
0 1 5 50
0 1 5 50
0 1 5 50
ABC1
ApoAI
GAPDH

FIG. 3.

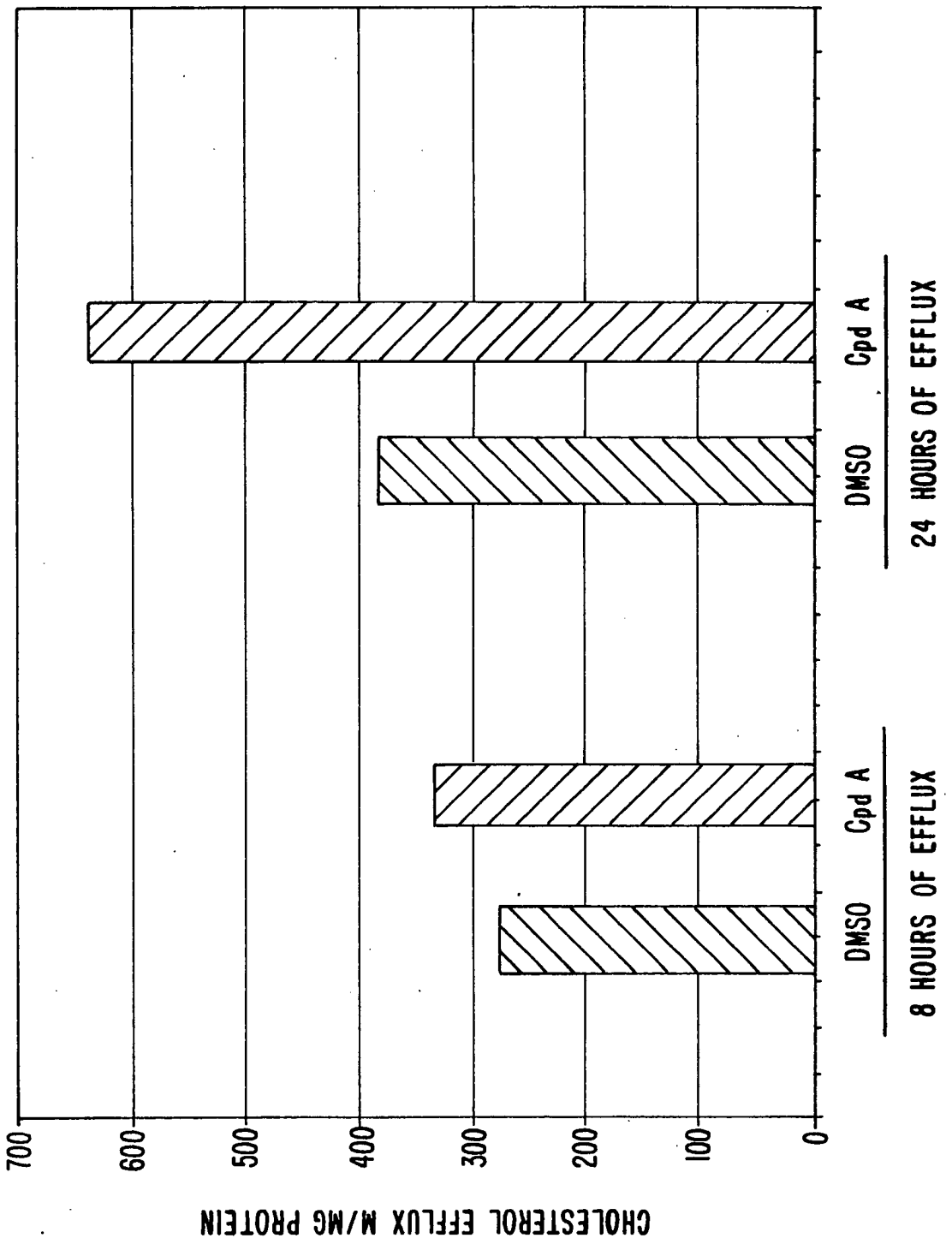

CHOLESTEROL EFFLUX M/MG PROTEIN
0
100
200
300
400
500
600
700
DMSO
Cpd A
24 HOURS OF EFFLUX
DMSO
Cpd A
8 HOURS OF EFFLUX

FIG. 4.

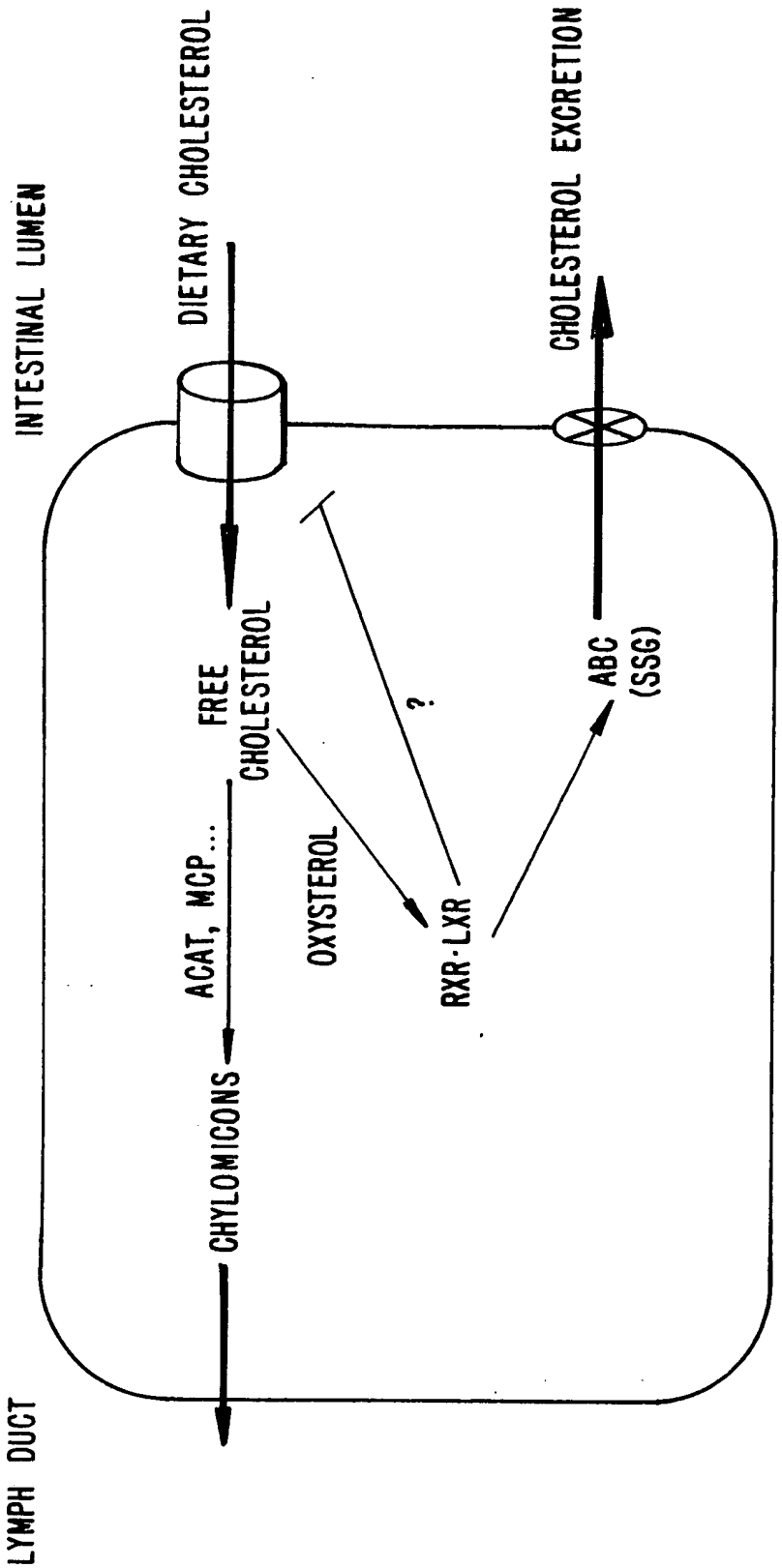
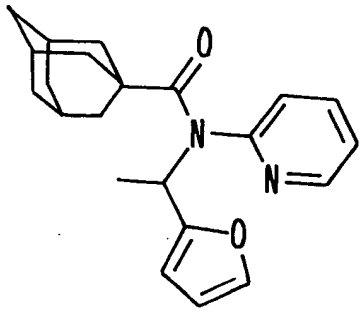
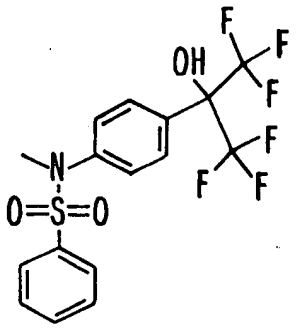

INTESTINAL LUMEN
DIETARY CHOLESTEROL
CHOLESTEROL EXCRETION
FREE CHOLESTEROL
ACAT, MCP...
CHYLOMICONS
OXYSTEROL
?
RXR·LXR
ABC (SSG)
LYMPH DUCT

FIG. 5.

COMPOUND C



COMPOUND B



COMPOUND A

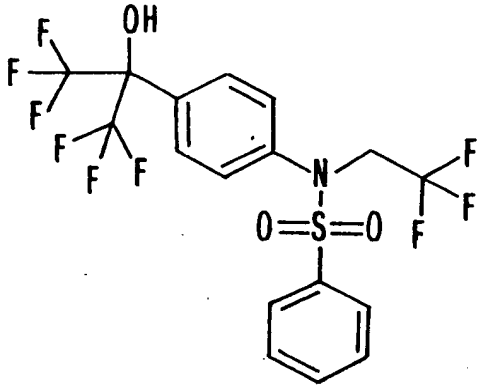


FIG. 6.

```
;ACAGGCCACTAGAAAATTCACTTGCATTTGCTTCCTGCTAGCCATGGGTGAGCTGCCCTTTCTGAGTCCAGAGGGAGCCAGAGGGCCTCACA   95
                                                M  G  E  L  P  F  L  S  P  E  G  A  R  G  P  H

ACAGAGGGTCTCTGAGCTCCCTGGAGCAAGGTTCGGTCACGGGCACAGAGGCTCGGCACAGCTTAGGTGTCCTGCATGTGTCCTACAGCGTC  190
N  R  G  S  L  S  S  L  E  Q  G  S  V  T  G  T  E  A  R  H  S  L  G  V  L  H  V  S  Y  S  V

:AACCGTGTCGGGCCTTGGTGGAACATCAAATCATGCCAGCAGAAGTGGGACAGGCAAATCCTCAAAGATGTCTCCTTGTACATCGAGAGTGG  285
  N  R  V  G  P  W  W  N  I  K  S  C  Q  Q  K  W  D  R  Q  I  L  K  D  V  S  L  V  I  E  S  G

GATTATGTGCATCTTAGGCAGCTCAGGCTCAGGGAAGACCACGCTGCTGGACGCCATCTCCGGGAGGCTGCGGCGCACTGGGACCCTGGAAG  380
) I  M  C  I  L  G  S  S  G  S  G  K  T  T  L  L  D  A  I  S  G  R  L  R  R  T  G  T  L  E

;AGGTGTTTGTGAATGGCTGCGAGCTGCGCAGGGACCAGTTCCAAGACTGCTTCTCCTACGTCCTGCAGAGCGACGTTTTTCTGAGCAGCCTC  475
E  V  F  V  N  G  C  E  L  R  R  D  Q  F  Q  D  C  F  S  Y  V  L  Q  S  D  V  F  L  S  S  L

'GTGCGCGAGACGTTGCGATACACAGCGATGCTGGCCCTCTGCCGCAGCTCCGCGGACTTCTACAACAAGAAGGTAGAGGCAGTCATGACAGA  570
  V  R  E  T  L  R  Y  T  A  M  L  A  L  C  R  S  S  A  D  F  Y  N  K  K  V  E  A  V  M  T  E

'GAGCCTGAGCCACGTGGCGGACCAAATGATTGGGAGCTATAATTTTGGGGGAATTTCCAGTGGCGAGCGGCGCCGAGTTTCCATCGCAGCCC  665
, S  L  S  H  V  A  D  Q  M  I  G  S  Y  N  F  G  G  I  S  S  G  E  R  R  R  V  S  I  A  A

:TCCTTCAGGACCCCAAGGTCATGATGCTAGATGAGCCAACCACAGGACTGGACTGCATGACTGCAAATCAAATTGTCCTTCTCTTGGCTGAG  760
L  L  Q  D  P  K  V  M  M  L  D  E  P  T  T  G  L  D  C  M  T  A  N  Q  I  V  L  L  L  A  E

;GCTCGCAGGGACCGAATTGTGATTGTCACCATCCACCAGCCTCGCTCTGAGCTCTTCCAACACTTCGACAAAATTGCCATCCTGACTTACGG  855
  A  R  R  D  R  I  V  I  V  T  I  H  Q  P  R  S  E  L  F  Q  H  F  D  K  I  A  I  L  T  Y  G

.GTTGGTGTTCTGTGGCACCCCAGAGGAGATGCTTGGCTTCTTCAATAACTGTGGTTACCCCTGTCCTGAACATTCCAATCCCTTTGATTTTT  950
: L  V  F  C  G  T  P  E  E  M  L  G  F  F  N  N  C  G  Y  P  C  P  E  H  S  N  P  F  D  F

.TGGACTTGACATCAGTGGACACCCAAAGCAGAGAGCGGGAAATAGAAACGTACAAGCGAGTACAGATGCTGGAATGTGCCTTCAAGGAATCT 1045
M  D  L  T  S  V  D  T  Q  S  R  E  R  E  I  E  T  Y  K  R  V  Q  M  L  E  C  A  F  K  E  S
```

FIG. 7A.

```
:ATCTATCACAAAATTCTGGAGAACATTGAAAGAGCACGATACCTGAAAACCTTACCCATGGTTCCTTTCAAAACAAAAGATCCTCCTGGGAT 1140
  I  Y  H  K  I  L  E  N  I  E  R  A  R  Y  L  K  T  L  P  M  V  P  F  K  T  K  D  P  P  G  M

'CGGCAAGCTTGGTGTCCTGCTGAGGCGAGTAACAAGAAACTTAATGAGGAATAAGCAGGCAGTGATTATGCGTCTCGTTCAGAATCTGATCA 1235
 ` G  K  L  G  V  L  L  R  R  V  T  R  N  L  M  R  N  K  Q  A  V  I  M  R  L  V  Q  N  L  I

;GCCTCTTCCTCATTTTCTACCTTCTCCGCGTCCAGAACAACACGCTAAAGGGCGCTGTGCAGGACCGCGTGGGGCTGCTCTATCAGCTTGTG 1330
 G  L  F  L  I  F  Y  L  L  R  V  Q  N  N  T  L  K  G  A  V  Q  D  R  V  G  L  L  Y  Q  L  V

'GCCACCCCATACACCGGCATGCTCAATGCTGTGAATCTGTTTCCCATGCTGAGAGCCGTCAGCGACCAGGAGAGTCAGGATGGCCTGTATCA 1425
  A  T  P  Y  T  G  M  L  N  A  V  N  L  F  P  M  L  R  A  V  S  D  Q  E  S  Q  D  G  L  Y  H

.GTGGCAGATGCTGCTCGCCTACGTGCTACACGTCCTCCCCTTCAGCGTCATCGCCACGGTCATTTTCAGCAGTGTGTGTTATTGGACTCTGG 1520
 : W  Q  M  L  L  A  Y  V  L  H  V  L  P  F  S  V  I  A  T  V  I  F  S  S  V  C  Y  W  T  L

'TGTATCCTGAAGTTGCCAGATTTGGATATTTCTCTGCTGCTCTTTTGGCCCCTCACTTAATTGGAGAATTTCTAACACTTGTGCTGCTTGGT 1615
 L  Y  P  E  V  A  R  F  G  Y  F  S  A  A  L  L  A  P  H  L  I  G  E  F  L  T  L  V  L  L  G

.GTCCAAAACCCTAATATTGTCAACAGTATAGTGGCTCTGCTCAGCATCTCTGGGCTGCTTATTGGATCTGGATTTATCAGAAACATACAAGA 1710
  V  Q  N  P  N  I  V  N  S  I  V  A  L  L  S  I  S  G  L  L  I  G  S  G  F  I  R  N  I  Q  E

GCCCATTCCTTTAAAAATCCTGGGTTATTTTACATTCCAAAAATACTGTTGTGAGATTCTCGTGGTCAATGAGTTTTACGGCCTGAACTTCA 1805
 : P  I  P  L  K  I  L  G  Y  F  T  F  Q  K  Y  C  C  E  I  L  V  V  N  E  F  Y  G  L  N  F

GTGGTGGATCCAACACCTCTATGCTAAATCACCCGATGTGCGCCATCACCCAAGGGGTCCAGTTCATCGAGAAAACCTGCCCAGGTGCTACA 1900
C  G  G  S  N  T  S  M  L  N  H  P  M  C  A  I  T  Q  G  V  Q  F  I  E  K  T  C  P  G  A  T

AGATTCACGGCAAACTTCCTCATCTTATATGGGTTTATCCCAGCTCTGGTCATCCTAGGAATAGTGATTTTTAAAGTCAGGGACTACCTGAT 1995
 R  F  T  A  N  F  L  I  L  Y  G  F  I  P  A  L  V  I  L  G  I  V  I  F  K  V  R  D  Y  L  I

CAGATAGTTAAGATGACAGGCAGGAAAGGGTTAATGGGCAGGCACGCCCACTGTGGAGCACAGAGAAGTACTGTCTTCAACCATCAGGATTC 2090
  R  X>
```

FIG. 7B.

```
CTGCGACCCTTGTGTCTGACCCTTGTGTCTATCCGGAGCCCCAAGGGCAACGAGAACTCACAGCCCTCTGCTATTCCAGCTTGTGGGGCAAT 2185

GTGCTTGGACATTGTGACTGAACTGGTCCAATAATGTAAATAATAATAATTCATAAACCTACAGGACATT                      2258
```

FIG. 7C.

```
AGGTGGAGCAGGCAGGGCAGTCTGCCACGGGCTCCCCAACTGAAGCCACTCTGGGGAGGGTCCGGCCACCAGAAAATTTGCCCAGCTTTGCT   95

TGTTGGCCATGGGTGACCTCTCATCTTTGACCCCCGGAGGGTCCATGGGTCTCCAAGTAAACAGAGGCTCCCAGAGCTCCCTGGAGGGGGCT  190
          M  G  D  L  S  S  L  T  P  G  G  S  M  G  L  Q  V  N  R  G  S  Q  S  S  L  E  G  A

GCCACCGCCCCGGAGCCTCACAGCCTGGGCATCCTCCATGCCTCCTACAGCGTCAGCCACCGCGTGAGGCCCTGGTGGGACATCACATCTTG  285
  A  T  A  P  E  P  H  S  L  G  I  L  H  A  S  Y  S  V  S  H  R  V  R  P  W  W  D  I  T  S  C

GCAGCAGTGGACCAGGCAGATCCTCAAAGATGTCTCCTTGTACGTGGAGAGCGGGCAGATCATGTGCATCCTAGGAAGCTCAGGCTCCGGGA  380
  Q  Q  W  T  R  Q  I  L  K  D  V  S  L  Y  V  E  S  G  Q  I  M  C  I  L  G  S  S  G  S  G

CCACGCTGCTGGACGCCATGTCCGGGAGGCTGGGGCGCGCGGGGACCTTCCTGGGGGAGGTGTATGTGAACGGCCGGGCGCTGCGCCGGGAG  475
  T  T  L  L  D  A  M  S  G  R  L  G  R  A  G  T  F  L  G  E  V  Y  V  N  G  R  A  L  R  R  E

TTCCAGGACTGCTTCTCCTACGTCCTGCAGAGCGACACCCTGCTGAGCAGCCTCACCGTGCGCGAGACGCTGCACTACACCGCGCTGCTGGC  570
  F  Q  D  C  F  S  Y  V  L  Q  S  D  T  L  L  S  S  L  T  V  R  E  T  L  H  Y  T  A  L  L  A

CCGCCGCGGCAATCCCGGCTCCTTCCAGAAGAAGGTGGAGGCCGTCATGGCAGAGCTGAGTCTGAGCCATGTGGCAGACCGACTGATTGGCA  665
  R  R  G  N  P  G  S  F  Q  K  K  V  E  A  V  M  A  E  L  S  L  S  H  V  A  D  R  L  I  G

ACAGCTTGGGGGGCATTTCCACGGGTGAGCGGCGCCGGGTCTCCATCGCAGCCCAGCTGCTCCAGGATCCTAAGGTCATGCTGTTTGATGAG  760
  Y  S  L  G  G  I  S  T  G  E  R  R  R  V  S  I  A  A  Q  L  L  Q  D  P  K  V  M  L  F  D  E

ACCACAGGCCTGGACTGCATGACTGCTAATCAGATTGTCGTCCTCCTGGTGGAACTGGCTCGCAGGAACCGAATTGTGGTTCTCACCATTCA  855
  T  T  B  L  D  C  M  T  A  N  Q  I  V  V  L  L  V  E  L  A  R  R  N  R  I  V  V  L  T  I  H
```

FIG. 8A.

Appln. No.: 09/837,992
Filed: April 18, 2001
SITOSTEROLEMIA SUSCEPTIBILITY GENE (SSG): COMPOSITIONS AND METHODS OF USE
Replacement Sheet

GCCCCGTTCTGAGCTTTTTCAGCTCTTTGACAAAATTGCCATCCTGAGCTTCGGAGAGCTGATTTTCTGTGGCACGCCAGCGGAAATGCTTG 950
P R S E L F Q L F D K I A I L S F G E L I F C G T P A E M L

TCTTCAATGACTGCGGTTACCCTTGTCCTGAACATTCAAACCCTTTTGACTTCTATATGGACCTGACGTCAGTGGATACCCAAAGCAAGGAA 1045
F F N D C G Y P C P E H S N P F D F Y M D L T S V D T Q S K E

GAAATAGAAACCTCCAAGAGAGTCCAGATGATAGAATCTGCCTACAAGAAATCAGCAATTTGTCATAAAACTTTGAAGAATATTGAAAGAAT 1140
E I E T S K R V Q M I E S A Y K K S A I C H K T L K N I E R M

ACACCTGAAAACGTTACCAATGGTTCCTTTCAAAACCAAAGATTCTCCTGGAGTTTTCTCTAAACTGGGTGTTCTCCTGAGGAGAGTGACAA 1235
H L K T L P M V P F K T K D S P G V F S K L G V L L R R V T

ACTTGGTGAGAAATAAGCTGGCAGTGATTACGCGTCTCCTTCAGAATCTGATCATGGGTTTGTTCCTCCTTTTCTTCGTTCTGCGGGTCCGA 1330
N L V R N K L A V I T R L L Q N L I M G L F L L F F V L R V R

AATGTGCTAAAGGGTGCTATCCAGGACCGCGTAGGTCTCCTTTACCAGTTTGTGGGCGCCACCCCGTACACAGGCATGCTGAACGCTGTGAA 1425
N V L K G A I Q D R V G L L Y Q F V Q A T P Y T G M L N A V N

GTTTCCCGTGCTGCGAGCTGTCAGCGACCAGGAGAGTCAGGACGGCCTCTACCAGAAGTGGCAGATGATGCTGGCCTATGCACTGCACGTCC 1520
F P V L R A V S D Q E S Q D G L Y Q K W Q M M L A Y A L H V

CCTTCAGCGTTGTTGCCACCATGATTTTCAGCAGTGTGTGCTACTGGACGCTGGGCTTACATCCTGAGGTTGCCCGATTTGGATATTTTTCT 1615
P F S V V A T M I F S S V C Y W T L G L H P E V A R F G Y F S

GCTCTCTTGGCCCCCCACTTAATTGGTGAATTTCTAACTCTTGTGCTACTTGGTATCGTCCAAAATCCAAATATAGTCAACAGTGTAGTGGC 1710
A L L A P H L I G E F L T L V L L G I V Q N P N I V N S V V A

GCTGTCCATTGCGGGGGTGCTTGTTGGATCTGGATTCCTCAGAAACATACAAGAAATGCCCATTCCTTTTAAAATCATCAGTTATTTTACAT 1805
L S I A G V L V G S G F L R N I Q E M P I P F K I I S Y F T

AAAAATATTGCAGTGAGATTCTTGTAGTCAATGAGTTCTACGGACTGAATTTCACTTGTGGCAGCTCAAATGTTTCTGTGACAACTAATCCA 1900
Q K Y C S E I L V V N E F Y G L N F T C G S S N V S V T T N P

FIG. 8B.

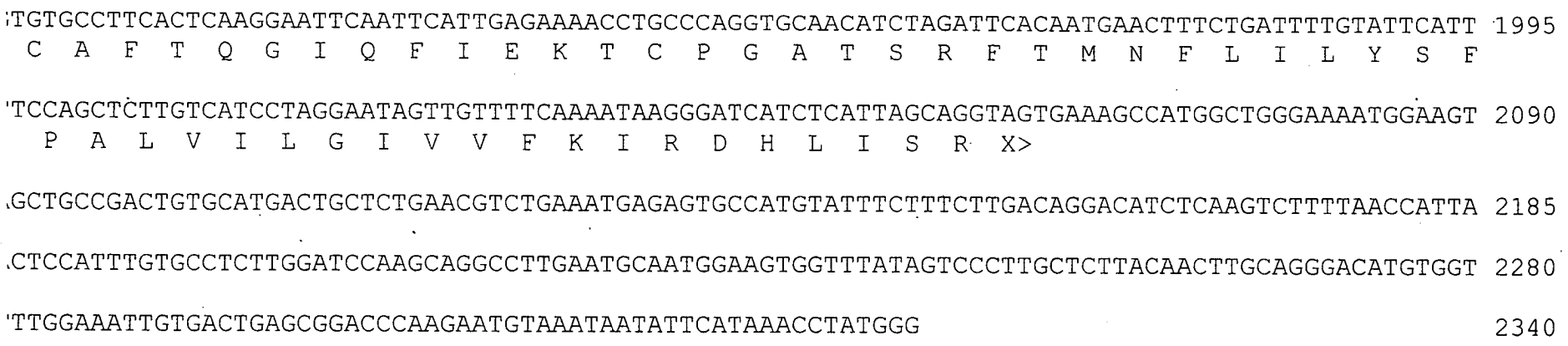


FIG. 8C.

Appln. No.: 09/837,992
Filed: April 18, 2001
SITOSTEROLEMIA SUSCEPTIBILITY GENE (SSG): COMPOSITIONS AND METHODS OF USE
Replacement Sheet

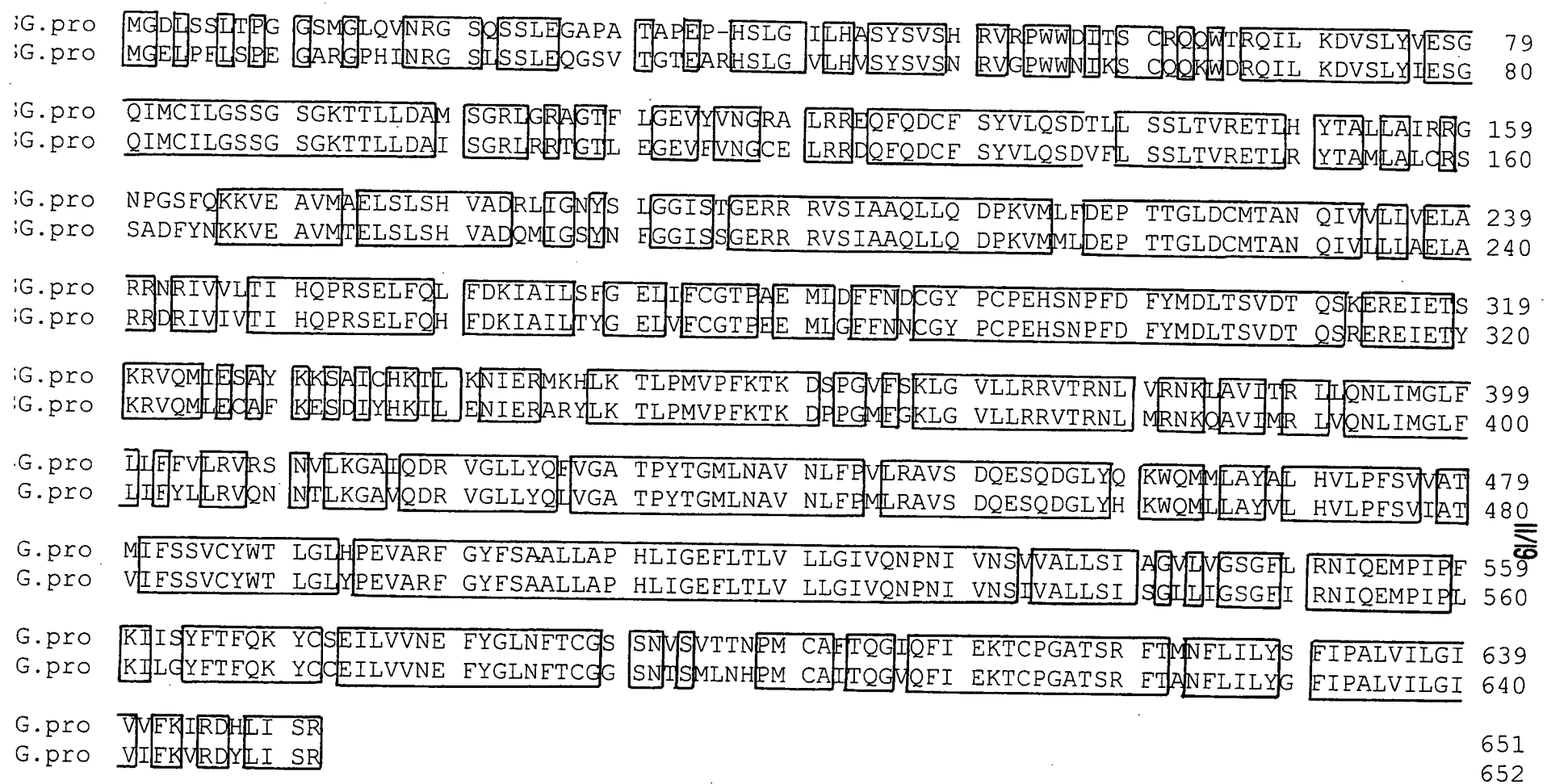

;G.pro MGDLSSLTPG GSMGLQVNRG SQSSLEGAPA TAPEP-HSLG ILHASYSVSH RVRPWWDITS CRQQWTRQIL KDVSLYVESG 79
;G.pro MGELPFLSPE GARGPHINRG SLSSLEQGSV TGTEARHSLG VLHVSYSVSN RVGPWWNIKS CQQKWDRQIL KDVSLYIESG 80
;G.pro QIMCILGSSG SGKTTLLDAM SGRLGRAGTF LGEVYVNGRA LRREQFQDCF SYVLQSDTLL SSLTVRETLH YTALLAIRRG 159
;G.pro QIMCILGSSG SGKTTLLDAI SGRLRRTGTL EGEVFVNGCE LRRDQFQDCF SYVLQSDVFL SSLTVRETLR YTAMLALCRS 160
;G.pro NPGSFQKKVE AVMAELSLSH VADRLIGNYS LGGISTGERR RVSIAAQLLQ DPKVMLFDEP TTGLDCMTAN QIVVLLVELA 239
;G.pro SADFYNKKVE AVMTELSLSH VADQMIGSYN FGGISSGERR RVSIAAQLLQ DPKVMMLDEP TTGLDCMTAN QIVLLLAELA 240
;G.pro RRNRIVVLTI HQPRSELFQL FDKIAILSFG ELIFCGTPAE MLDFFNDCGY PCPEHSNPFD FYMDLTSVDT QSKEREIETS 319
;G.pro RRDRIVIVTI HQPRSELFQH FDKIAILTYG ELVFCGTPEE MLGFFNNCGY PCPEHSNPFD FYMDLTSVDT QSREREIETY 320
;G.pro KRVQMIESAY KKSAICHKIL KNIERMKHLK TLPMVPFKTK DSPGVFSKLG VLLRRVTRNL VRNKLAVITR LLQNLIMGLF 399
;G.pro KRVQMLECAF KESDIYHKIL ENIERARYLK TLPMVPFKTK DPPGMFGKLG VLLRRVTRNL MRNKQAVIMR LVQNLIMGLF 400
G.pro LIFFVLRVRS NVLKGAIQDR VGLLYQFVGA TPYTGMLNAV NLFPVLRAVS DQESQDGLYQ KWQMMLAYAL HVLPFSVVAT 479
G.pro LIFYLLRVQN NTLKGAMQDR VGLLYQIVGA TPYTGMLNAV NLFPMLRAVS DQESQDGLYH KWQMLLAYVL HVLPFSVIAT 480
G.pro MIFSSVCYWT LGLHPEVARF GYFSAALLAP HLIGEFLTLV LLGIVQNPNI VNSVVALLSI AGVLVGSGFL RNIQEMPIPF 559
G.pro VIFSSVCYWT LGLYPEVARF GYFSAALLAP HLIGEFLTLV LLGIVQNPNI VNSIVALLSI SGILIGSGFI RNIQEMPIPL 560
G.pro KIISYFTFQK YCSEILVVNE FYGLNFTCGS SNVSVTTNPM CAFTQGIQFI EKTCPGATSR FTMNFLILYS FIPALVILGI 639
G.pro KILGYFTFQK YCCEILVVNE FYGLNFTCGG SNTSMLNHPM CAITQGVQFI EKTCPGATSR FTANFLILYG FIPALVILGI 640
G.pro VVFKIRDHLI SR 651
G.pro VIFKVRDYLI SR 652

FIG. 9.

Reference Number: 6711
Stanford RH Panel: TNG4
Lowest LDD Reported: 5
Chromosome Value: 0

Results for HT

Submitted
Vector:0001000000000100010000101001000000010000001000100000000010000000000001000000000001000100

SHGCNAME CHROM# LOD_SCORE DIST.(cRs)

1 SHGC-36672 2 7.52 35
Vector:00000000R000010101001000100111000001000000100010000000101000000000000100000000R01000100

2 SHGC-8189 2 6.53 44
Vector:0000000010000101010010001001110000010000001000100000000101000000000001000000000101000100

3 SHGC-699 2 6.03 48
Vector:0001000000000100010000101001010010000100011000100010000010100000000000000001000000011000100

The number of markers searched was 32440

FIG. 10.

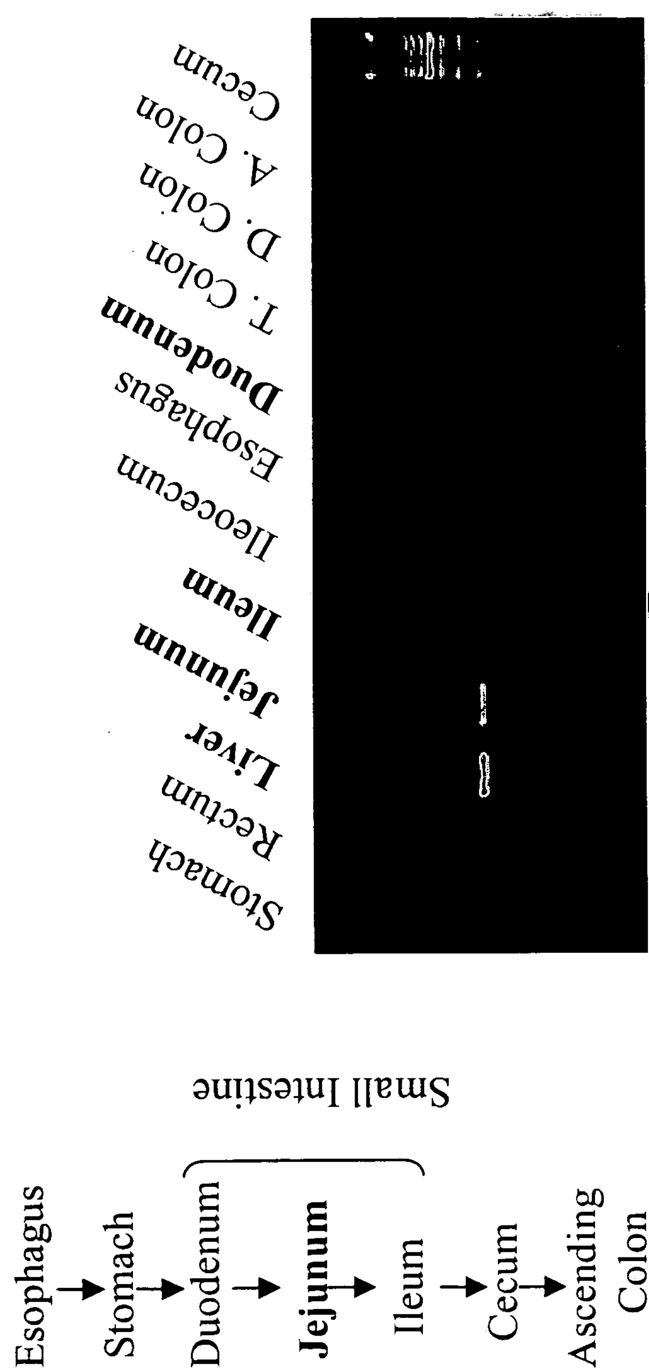

Cecum
A. Colon
D. Colon
T. Colon
Duodenum
Esophagus
Ileocecum
Ileum
Jejunum
Liver
Rectum
Stomach
Small Intestine
Esophagus
Stomach
Duodenum
Jejunum
Ileum
Cecum
Ascending Colon
Transverse Colon
Descending Colon
Rectum

FIG. 11.

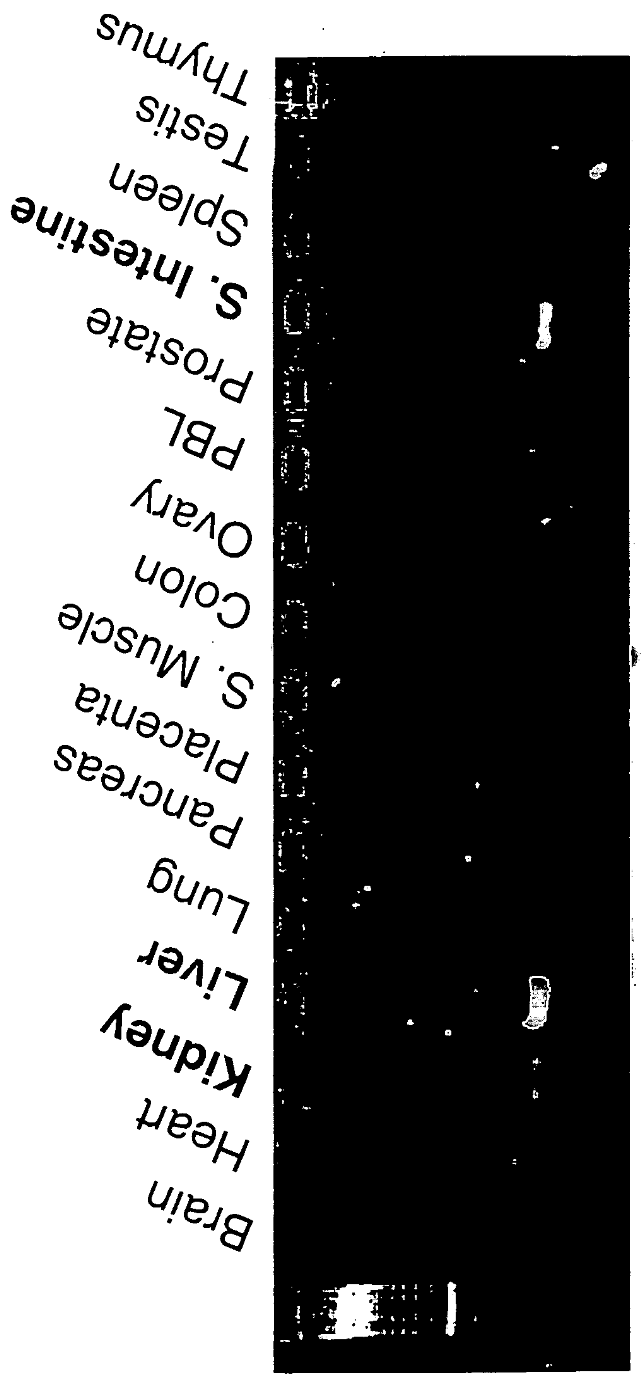

Brain
Heart
Kidney
Liver
Lung
Pancreas
Placenta
S. Muscle
Colon
Ovary
PBL
Prostate
S. Intestine
Spleen
Testis
Thymus

FIG. 12.

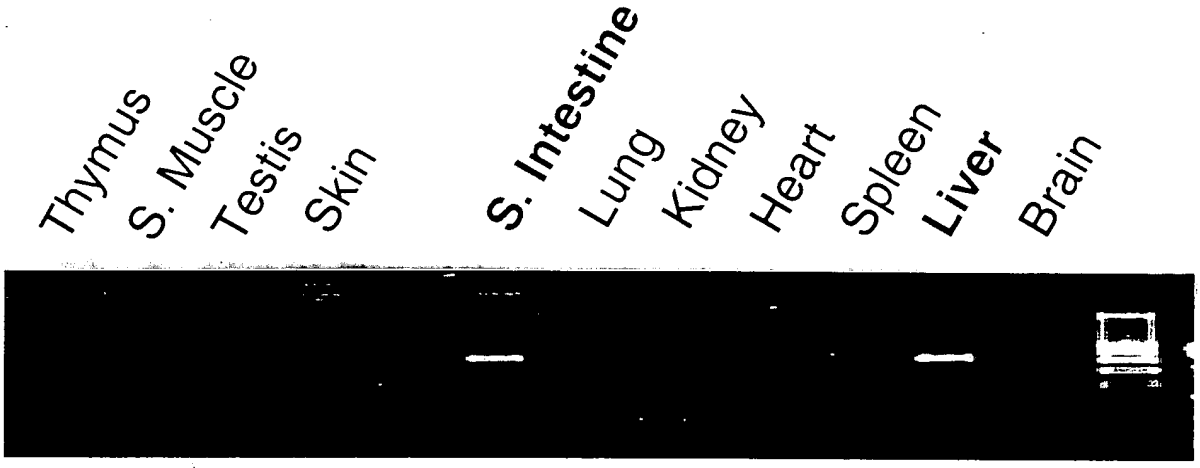

Thymus
S. Muscle
Testis
Skin
S. Intestine
Lung
Kidney
Heart
Spleen
Liver
Brain

FIG. 13.

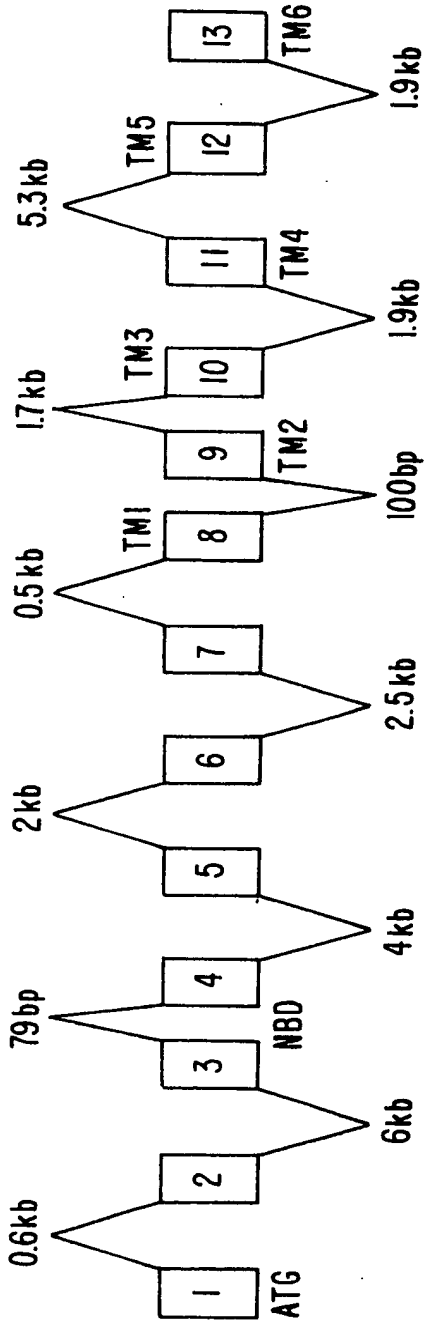

1
2
3
4
5
6
7
8
9
10
11
12
13
ATG
NBD
TM1
TM2
TM3
TM4
TM5
TM6
0.6kb
6kb
79bp
4kb
2kb
2.5kb
0.5kb
100bp
1.7kb
1.9kb
5.3kb
1.9kb

FIG. 14A.

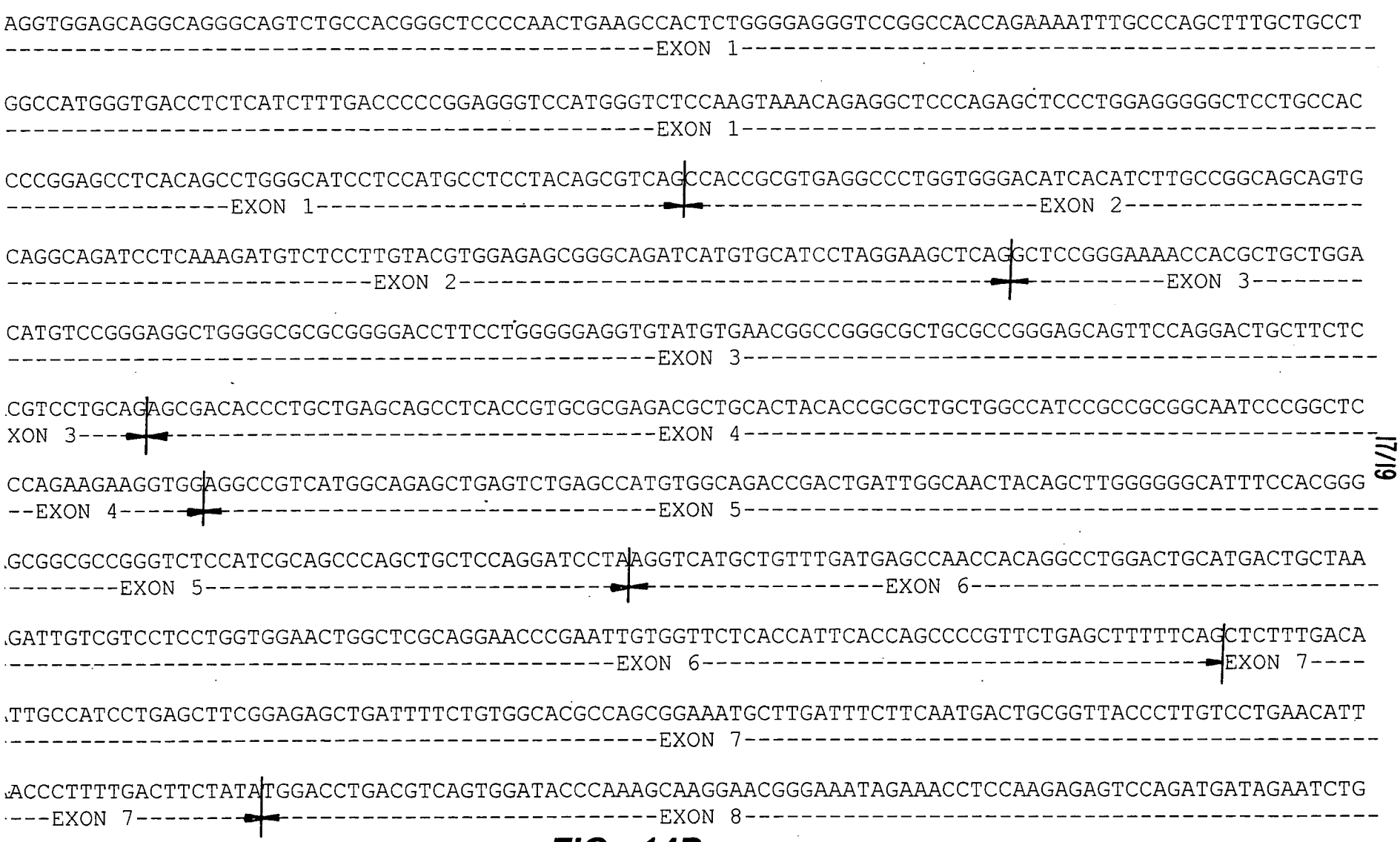

AGGTGGAGCAGGCAGGGCAGTCTGCCACGGGCTCCCCAACTGAAGCCACTCTGGGGAGGGTCCGGCCACCAGAAAATTTGCCCAGCTTTGCTGCCT
EXON 1
GGCCATGGGTGACCTCTCATCTTTGACCCCCGGAGGGTCCATGGGTCTCCAAGTAAACAGAGGCTCCCAGAGCTCCCTGGAGGGGGCTCCTGCCAC
EXON 1
CCCGGAGCCTCACAGCCTGGGCATCCTCCATGCCTCCTACAGCGTCAGCCACCGCGTGAGGCCCTGGTGGGACATCACATCTTGCCGGCAGCAGTG
EXON 1
EXON 2
CAGGCAGATCCTCAAAGATGTCTCCTTGTACGTGGAGAGCGGGCAGATCATGTGCATCCTAGGAAGCTCAGGCTCCGGGAAAACCACGCTGCTGGA
EXON 2
EXON 3
CATGTCCGGGAGGCTGGGGCGCGCGGGGACCTTCCTGGGGGAGGTGTATGTGAACGGCCGGGCGCTGCGCCGGGAGCAGTTCCAGGACTGCTTCTC
EXON 3
CGTCCTGCAGAGCGACACCCTGCTGAGCAGCCTCACCGTGCGCGAGACGCTGCACTACACCGCGCTGCTGGCCATCCGCCGCGGCAATCCCGGCTC
XON 3
EXON 4
CCAGAAGAAGGTGGAGGCCGTCATGGCAGAGCTGAGTCTGAGCCATGTGGCAGACCGACTGATTGGCAACTACAGCTTGGGGGGCATTTCCACGGG
EXON 4
EXON 5
GCGGCGCCGGGTCTCCATCGCAGCCCAGCTGCTCCAGGATCCTAAGGTCATGCTGTTTGATGAGCCAACCACAGGCCTGGACTGCATGACTGCTAA
EXON 5
EXON 6
GATTGTCGTCCTCCTGGTGGAACTGGCTCGCAGGAACCCGAATTGTGGTTCTCACCATTCACCAGCCCCGTTCTGAGCTTTTTCAGCTCTTTGACA
EXON 6
EXON 7
TTGCCATCCTGAGCTTCGGAGAGCTGATTTTCTGTGGCACGCCAGCGGAAATGCTTGATTTCTTCAATGACTGCGGTTACCCTTGTCCTGAACATT
EXON 7
ACCCTTTTGACTTCTATATGGACCTGACGTCAGTGGATACCCAAAGCAAGGAACGGGAAATAGAAACCTCCAAGAGAGTCCAGATGATAGAATCTG
EXON 7
EXON 8

FIG. 14B. *(1 OF 3)*

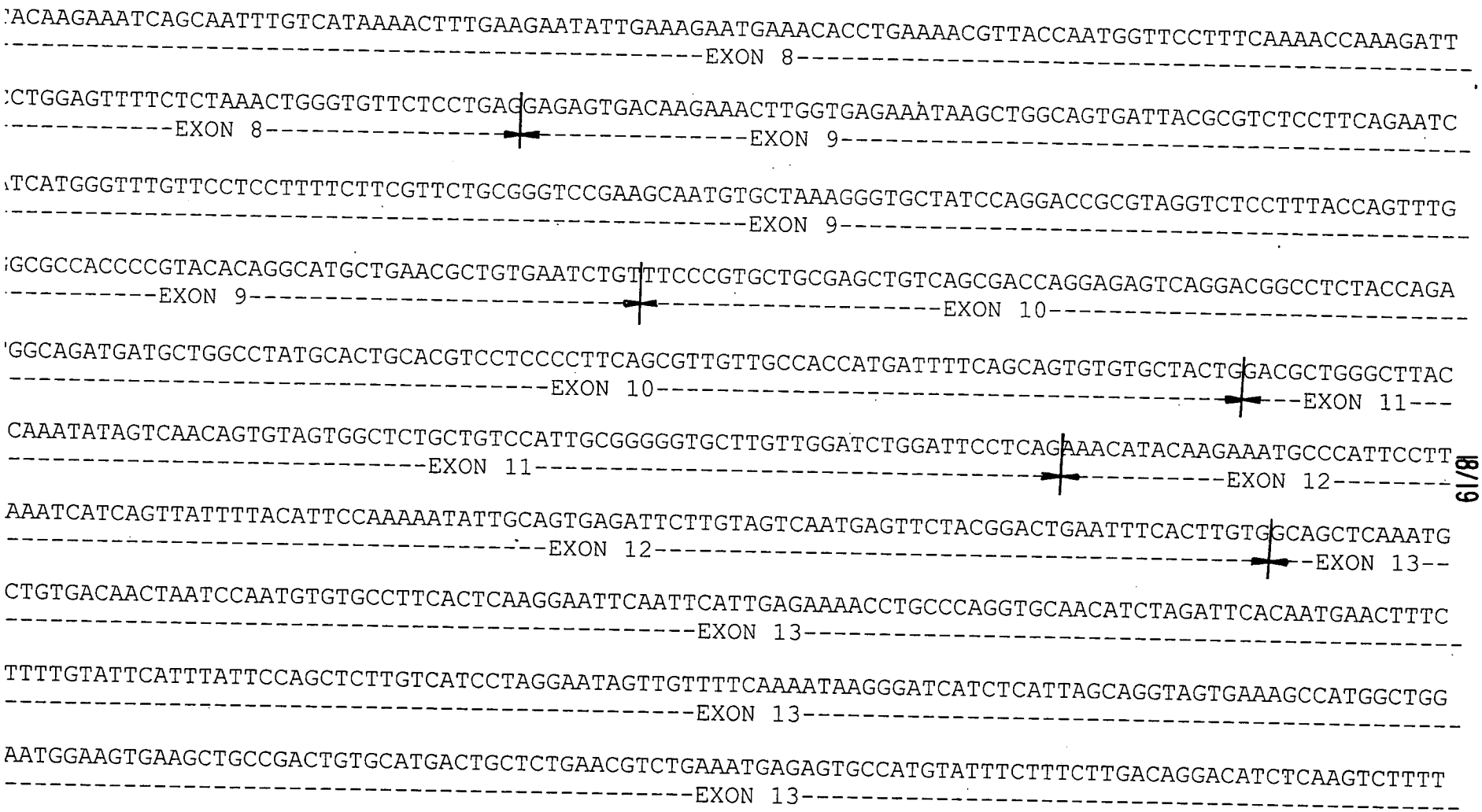


FIG. 14B. *(2 OF 3)*

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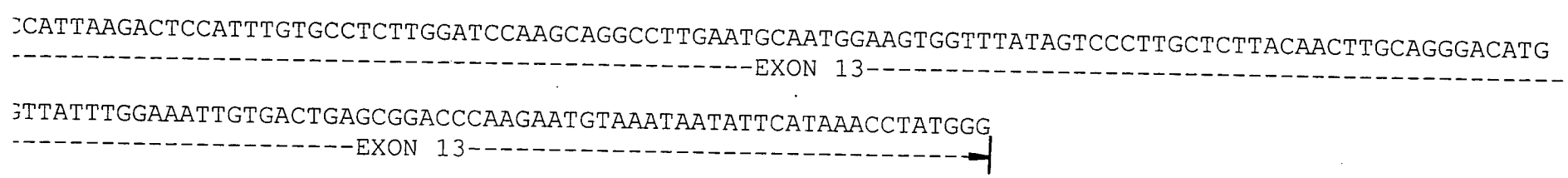

EXON NUMBER	EXON SIZE	5′ SPLICING SITE	3′ SPLICING SITE	INTRON SIZE
1			GCGTCAGgtaaggcag	-600bp
2	124	cctttaaagCCACCGC	AGCTCAGgtaagcttg	~6kb
3	137	gccccgcagGCTCCGG	CCTGCAGgtgggcgcg	74bp
4	103	ctcctgcagAGCGACA	AAGGTGGgtgcagccc	~4kb
5	129	tgcaggtggAGGCCGT	GATCCTAgtaagtggc	~2kb
6	140	tgctggcagAGGTCAT	TTTTCAGgtaagaggt	~2.5kb
7	130	tctggtcagCTCTTTG	TTCTATAgtaagtttt	~0.5kb
8	214	aacttttagTGGACCT	TCCTGAGgtaagaggc	100bp
9	206	tgttttcagGAGAGTG	AATCTGTgtaagtgcc	~1.7kb
10	139	catccccagTTCCCGT	GCTACTGgtgagggtt	~1.9kb
11	186	cttttctagGACGCTG	TCCTCAGgtaagatat	~5.3kb
12	113	tttcttaagAAACATA	ACTTGTGgtaagtatt	~1.2kb
13		ccttgacagGCAGCTC		
TOTAL				~25.9kb

GENIC SEQUENCES IN CAPITAL LETTER

FIG. 14B. *(3 0F 3)*

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